

Peter K. Lweeney
ENGINEERING PROGRAM MANAGER
WORLD TRADE CENTER
PLH
CHIEF ARCHITECT

Engineering Department
Design Division

**The World Trade
Center
Electrical/HVAC
Upgrade Program**

Title
TOWERS ONE AND TWO
LOW VOLTAGE SUBSTATIONS
CONSTRUCTION AND
INSTALLATION

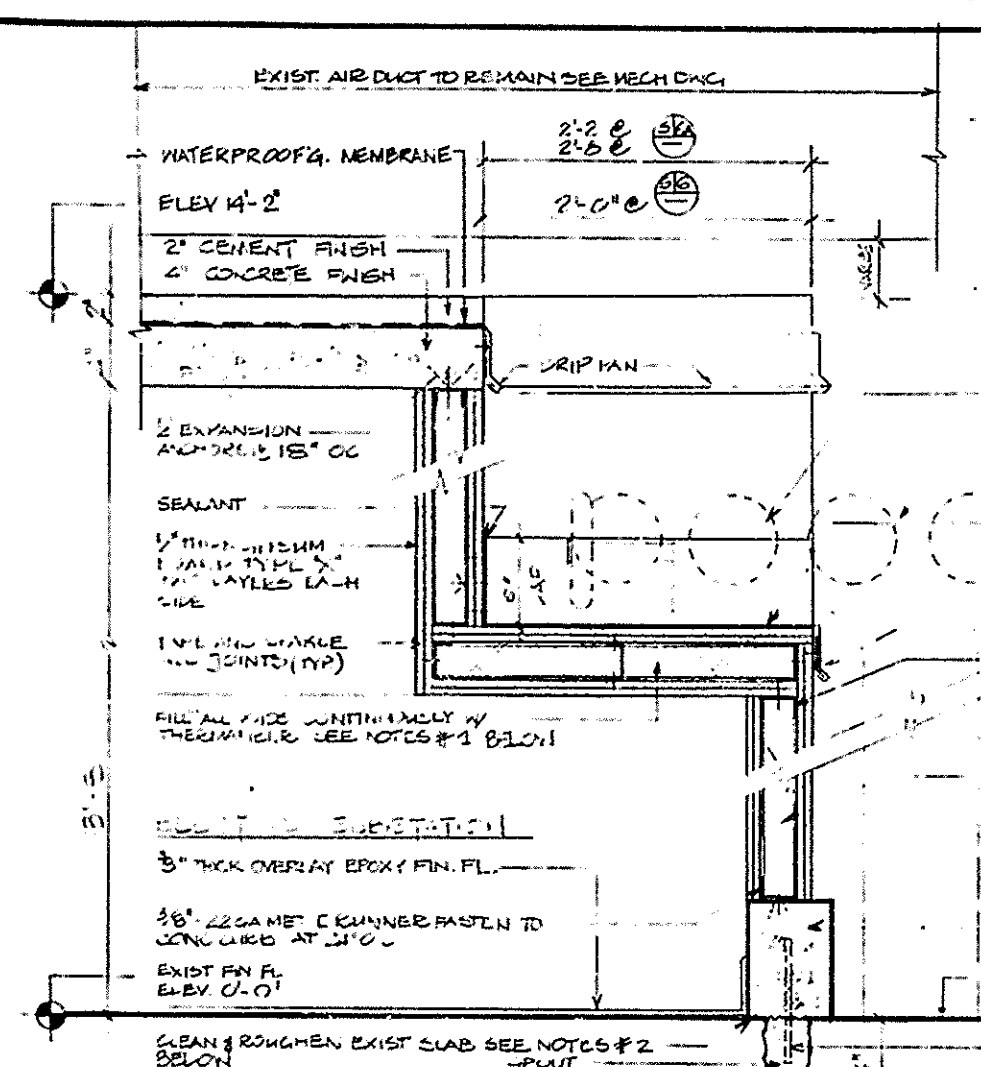
ARCHITECTURAL
SECTIONS, ELEVATION,
PLAN AND DETAIL

No	Date	Revision	Approved

This drawing subject to conditions in contract.
All inventions, ideas, designs and methods
herein are reserved to Port Authority and may not
be used without its written consent.

L.V. GALAN, G.K. G.K. L.V. GALAN
Designed by Drawn by Task Leader
Principal Architect
Date 5/1/95 Scale AS NOTED

Contract Number Drawing Number
WTC-802.071 A-331



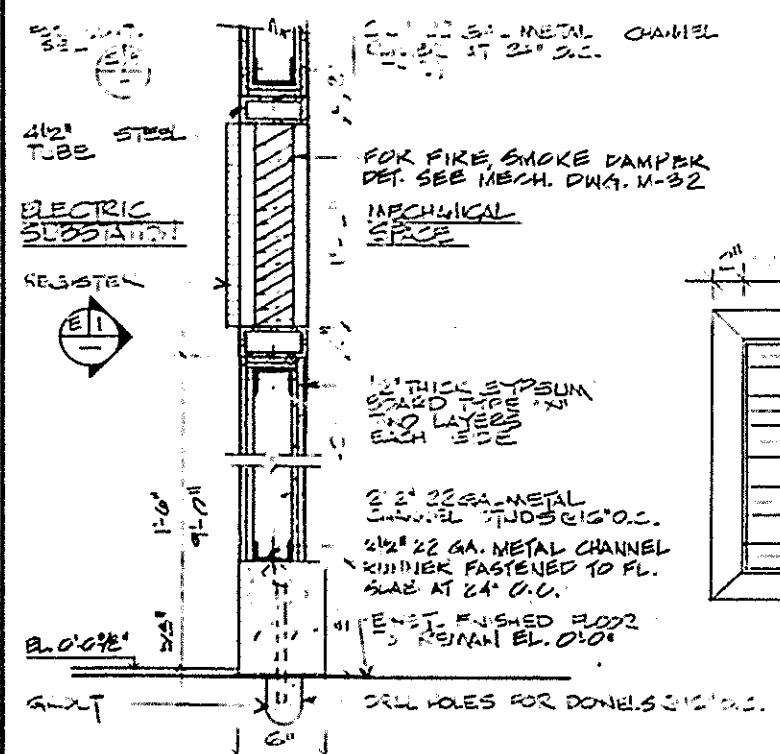
S16 2-HOUR PARTITION WITH OFFSET

SCALE IN FEET

S6A SIMILAR

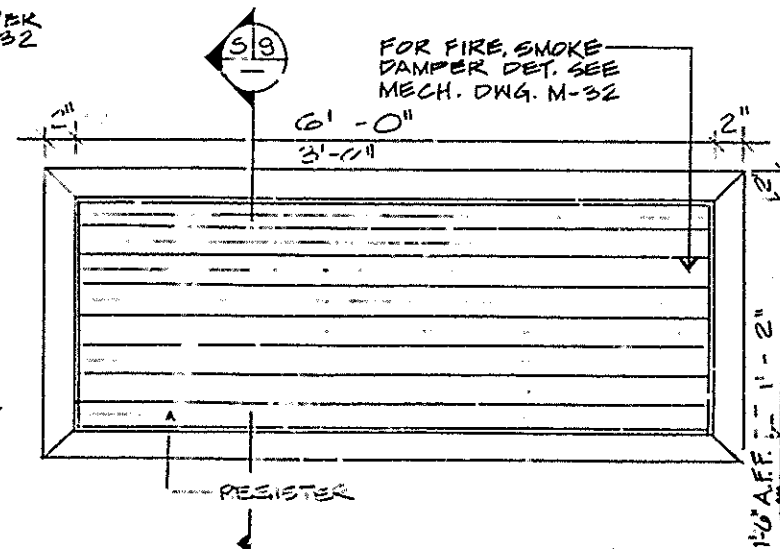
NOTES:

- 1- FILL ALL VOIDS CONTINUOUSLY WITH COMPRESSIBLE MINERAL FIBER (THERMAFIBER)
- 2- CLEAN AND ROUGHEN EXISTING CONCRETE SLAB AND APPLY COAT OF EPOXY BONDING CEMENT UNDER ALL NEW CURBS



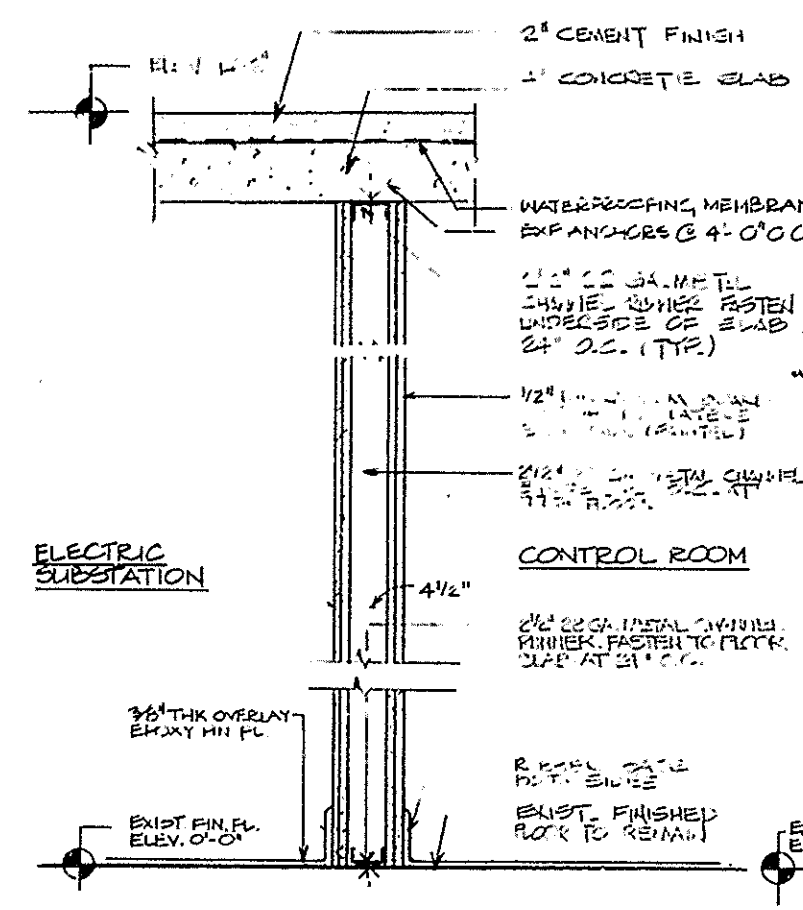
S19 WALL SECTION THRU AIR REGISTER

SCALE IN FEET



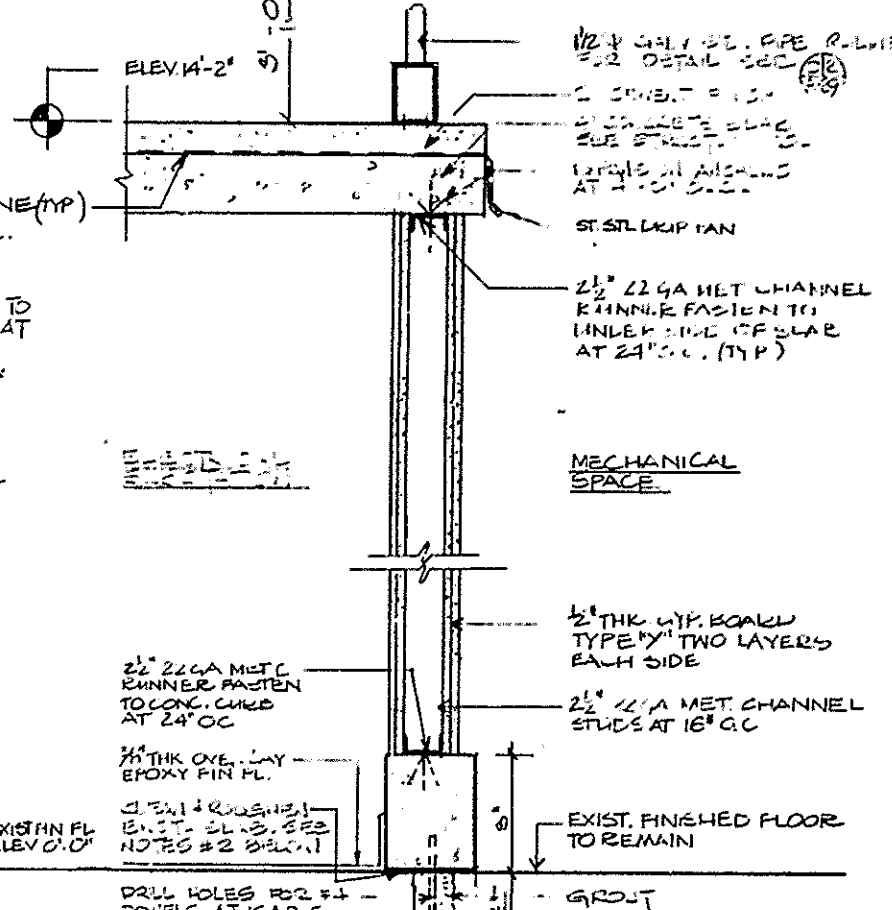
E1 FRONT ELEVATION AT AIR REGISTER WITH FIRE DAMPER

SCALE IN FEET



S17 2-HOUR RATED PARTITION

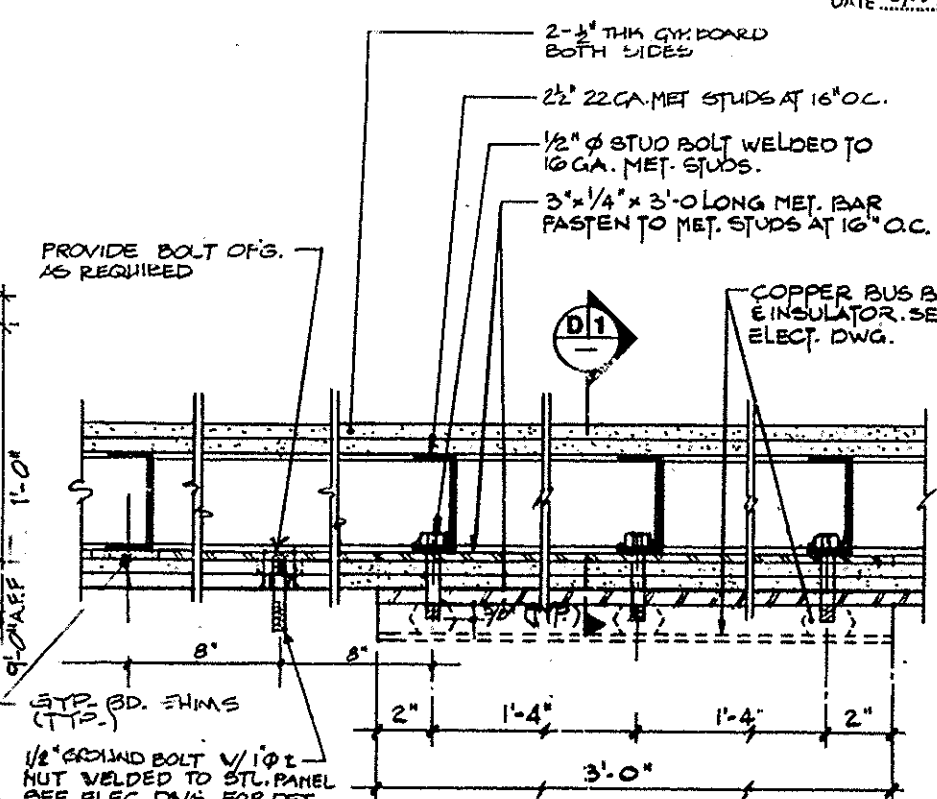
SCALE IN FEET



S18 2-HOUR RATED PARTITION

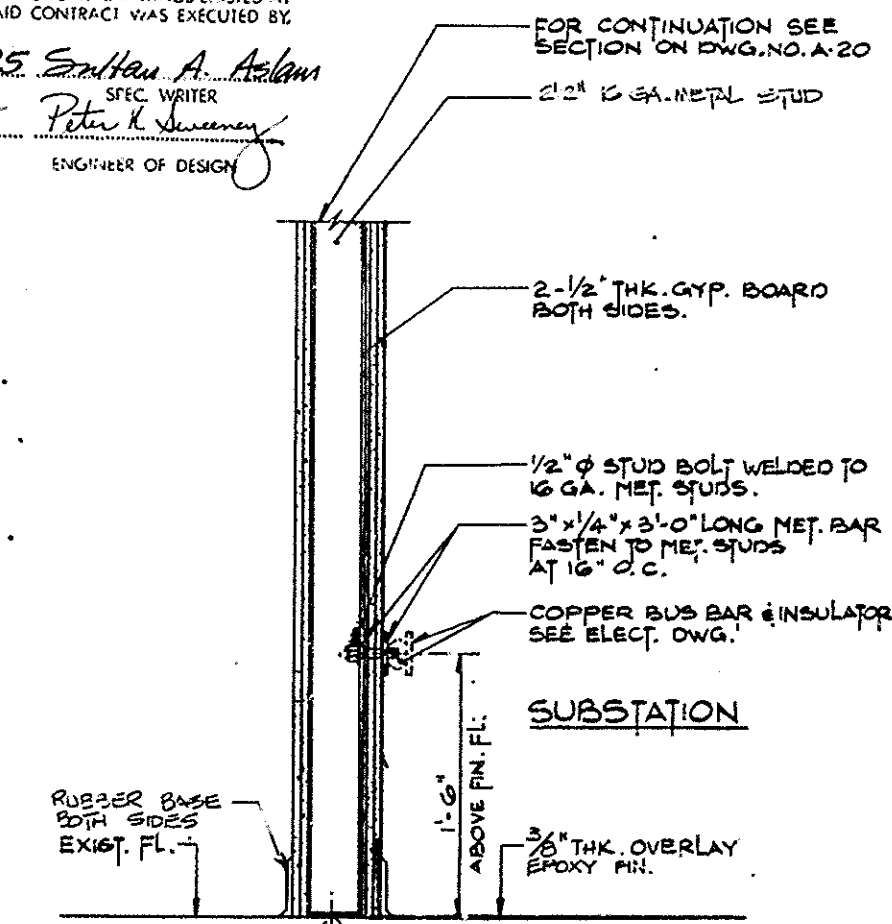
SCALE IN FEET

I HEREBY CERTIFY THAT THIS IS A TRUE AND CORRECT COPY OF ONE OF THE CONTRACT DRAWINGS CONSTITUTING A PART OF CONTRACT NO. WTC-802.071 IN THE FORM IN WHICH SAID DRAWINGS EXISTED AT THE TIME THE SAID CONTRACT WAS EXECUTED BY THE PARTIES.
DATE 6/21/95 *Santhan A. Aslam* SEC. WRITER
DATE 8/15/95 *Peter K. Lweeney* ENGINEER OF DESIGN



P1 PART PLAN (GROUND BUS SUPPORT)

SCALE IN FEET



D1 GROUND BUS SUPPORT BAR DETAIL (TYP.)

SCALE IN FEET